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# AGREEMENT

## CONCERNING THE ADOPTION OF UNIFORM CONDITIONS OF APPROVAL AND RECIPROCAL RECOGNITION OF APPROVAL FOR MOTOR VEHICLE EQUIPMENT AND PARTS

**done at Geneva on 20 March 1958**

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*Addendum 47: Regulation No. 48*

*Revision 1 – Amendment 1*

**Incorporating**
**Supplement 1 to 01 series of amendments – Date of entry into force: 20 December 1995**
**Corrections to the 01 series of amendments referred to in the depositary notification C.N.214.1995.TREATIES-43 of 7 August 1995**

## UNIFORM PROVISIONS CONCERNING THE APPROVAL OF VEHICLES WITH REGARD TO THE INSTALLATION OF LIGHTING AND LIGHT-SIGNALLING DEVICES

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Paragraph 2.7.11., amend to read:

"2.7.11. 'Direction-indicator lamp' means the lamp used to indicate to other road-users that the driver intends to change direction to the right or to the left;

A direction-indicator lamp or lamps may also be used according to provisions of Regulation No. 'X'. */

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*/ Regulation on VAS, after it was established."

Paragraph 2.13., amend to read (at the end of the last subparagraph):

"... as an optical unit (see annex 3 of this Regulation). Nevertheless, when the vertical angle of geometric visibility below the horizontal may be reduced to 5° (lamp at less than 750 mm above the ground) the photometric field of measurements of the installed optical unit may be reduced to 5° below the horizontal."

Paragraphs 6.2.6.1. and 6.2.6.1.1., amend to read:

"6.2.6.1. Vertical orientation

6.2.6.1.1. The initial downward inclination of the cut-off of the dipped-beam to be set in the unladen vehicle state with one person in the driver's seat shall be specified within an accuracy of 0.1% by the manufacturer and indicated in a clearly legible and indelible manner on each vehicle close to either headlamp or the manufacturer's plate by the symbol shown in annex 7.

The value of this indicated downward inclination shall be defined in accordance with paragraph 6.2.6.1.2."

Paragraph 6.2.6.1.1. (former), renumber as paragraph "6.2.6.1.2.".

Paragraphs 6.2.6.2. and 6.2.6.2.1., amend to read:

"6.2.6.2. Headlamp levelling device

6.2.6.2.1. In the case where a headlamp levelling device is necessary to satisfy the requirements of paragraphs 6.2.6.1.1. and 6.2.6.1.2., the device shall be automatic."

Paragraph 6.2.6.2.2., amend to read:

"6.2.6.2.2. However, devices which are adjusted manually, either continuously or non-continuously, shall be permitted, provided they have a stop position at which the lamps can be returned to the initial inclination defined in paragraph 6.2.6.1.1. by means of the usual adjusting screws or similar means.

These manually adjustable devices must be operable from the driver's seat.

Continually adjustable devices must have reference marks indicating the loading conditions that require adjustment of the dipped-beam.

The number of positions on devices which are not continuously adjustable must be such as to ensure compliance with the range of values prescribed in paragraph 6.2.6.1.2. in all the loading conditions defined in annex 5.

For these devices also, the loading conditions of annex 5 that require adjustment of the dipped-beam shall be clearly marked near the control of the device (see annex 8)."

Paragraph 6.2.6.2.3., amend to read:

"6.2.6.2.3. In the event of a failure of devices described in paragraphs 6.2.6.2.1. and 6.2.6.2.2., the dipped-beam shall not assume a position in which the dip is less than it was at the time when the failure of the device occurred."

Insert new paragraphs 6.2.6.3. and 6.2.6.3.1., to read:

"6.2.6.3. Measuring procedure

6.2.6.3.1. After adjustment of the initial inclination, the vertical inclination of the dipped-beam, expressed in per cent, shall be measured in static conditions under all the loading conditions defined in annex 5."

Paragraph 6.2.6.2.3. (former), renumber as paragraph "6.2.6.3.2."

Paragraph 6.2.9, add at the end a new subparagraph to read:

"...
Dipped-beam headlamps with gas-discharge light sources shall only be permitted in conjunction with the installation of headlamp cleaning device(s) according to Regulation No. 45. 4/ In addition, with respect to vertical inclination, the provisions of paragraph 6.2.6.2.2. shall not be applied when these headlamps are installed.

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4/ Contracting Parties to the respective regulations can still prohibit the use of mechanical cleaning systems when headlamps with plastic lenses, marked 'PL', are installed."

Paragraph 6.2.7., add at the end a new subparagraph to read:

"...
In the case of dipped-beam headlamps according to Regulation No. 'X' */ the gas-discharge light sources shall remain switched on during the main-beam operation.

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*/ Regulation on Headlamps with gas-discharge light sources, after it was established."

Paragraph 6.19., the reference to footnote 4/ and footnote 4/, renumber as reference 5/ and footnote 5/.

Annex 5, the reference requirement below the title, amend to read:

"Loading conditions on axles referred to in paragraphs 6.2.6.1. and 6.2.6.3.1.
..."

Annex 7, the title, amend the reference to "PARAGRAPH 6.2.6.1." to read "PARAGRAPH 6.2.6.1.1.".

Annex 8, paragraph 1.2., amend the reference to "paragraph 6.2.6.1." to read "paragraph 6.2.6.1.1.".

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